



# UNIVERSITY OF NIŠ

**Course Unit Descriptor**

**Faculty**

Faculty of Mechanical Engineering

## GENERAL INFORMATION

Study Program	<b>Mechanical Engineering</b>
Study Module (if applicable)	-
Course Title	Environmental Protection and Sustainable Development
Level of Study	<input checked="" type="checkbox"/> Bachelor <input type="checkbox"/> Master's <input type="checkbox"/> Doctoral
Type of Course	<input type="checkbox"/> Obligatory <input checked="" type="checkbox"/> Elective
Semester	<input checked="" type="checkbox"/> Autumn      Spring
Year of Study	IV
Number of ECTS Allocated	6
Name of Lecturer/Lecturers	Assoc. Prof. Gordana Stefanovic
Teaching Mode	<input checked="" type="checkbox"/> Lectures <input type="checkbox"/> Group tutorials <input type="checkbox"/> Individual tutorials <input type="checkbox"/> Laboratory work <input checked="" type="checkbox"/> Project work <input checked="" type="checkbox"/> Seminar <input type="checkbox"/> Distance learning <input type="checkbox"/> Blended learning <input type="checkbox"/> Other

### Purpose and Overview (max. 5 sentences)

*Introduction to the problems of environmental degradation, forms of pollution and their impact on the environment with the aim to find a way to reduce their negative impact.*

### Syllabus (brief outline and summary of topics, max. 10 sentences)

1) Introduction to environmental protection and sustainable development. Maintaining a balance in nature, 2) Legislation and regulation, 3) Pollutions classification, emission, pollution dispersion, 4) Construction of equipment and machinery, Plant design, 5) Air pollution, 6) Solid waste management, waste treatment, 7) Waste water management, water pollution, waste water treatment, 8) Soil degradation, Erosion, Salinization, 9) The noise as a form of environmental pollution, Effect of noise on environment.

### Language of Instruction

Serbian (complete course)      English (complete course)       Other \_\_\_\_\_ (complete course)  
 Serbian with English mentoring       Serbian with other mentoring \_\_\_\_\_

### Assessment Methods and Criteria

Pre exam Duties	Points	Final Exam	Points
Activity During Lectures	10	Written Examination	Max. 50 (depending on Teaching Colloquia)

<b>Practical Teaching</b>	<b>10</b>	<b>Oral Examination</b>	<b>30</b>
<b>Teaching Colloquia</b>	<b>50</b>	<b>Overall Sum</b>	<b>100</b>

**\*Final examination mark is formed in accordance with the Institutional documents**